

## Specifications

## Material

Housing: LCP, UL94V-0, Black

Terminal: Phosphor Bronze, T=0.12mm

Shell: Stainless Steel, T=0.10mm

## Plating

Contact Terminal:

Under-plating: 80μ" min. Nickel all over

Contact Area: Gold Flash

Soldering Area: Gold Flash

**Metallic Shell :**

Under-plating : 30μ" Nickel all over

Soldering Area : Gold Flash

## Electrical

Voltage Rating: 5V

Current Rating: 0.5A

Contact Resistance: 100mΩ max.





Insulating Resistance: 1000MΩ min. at 500V DC

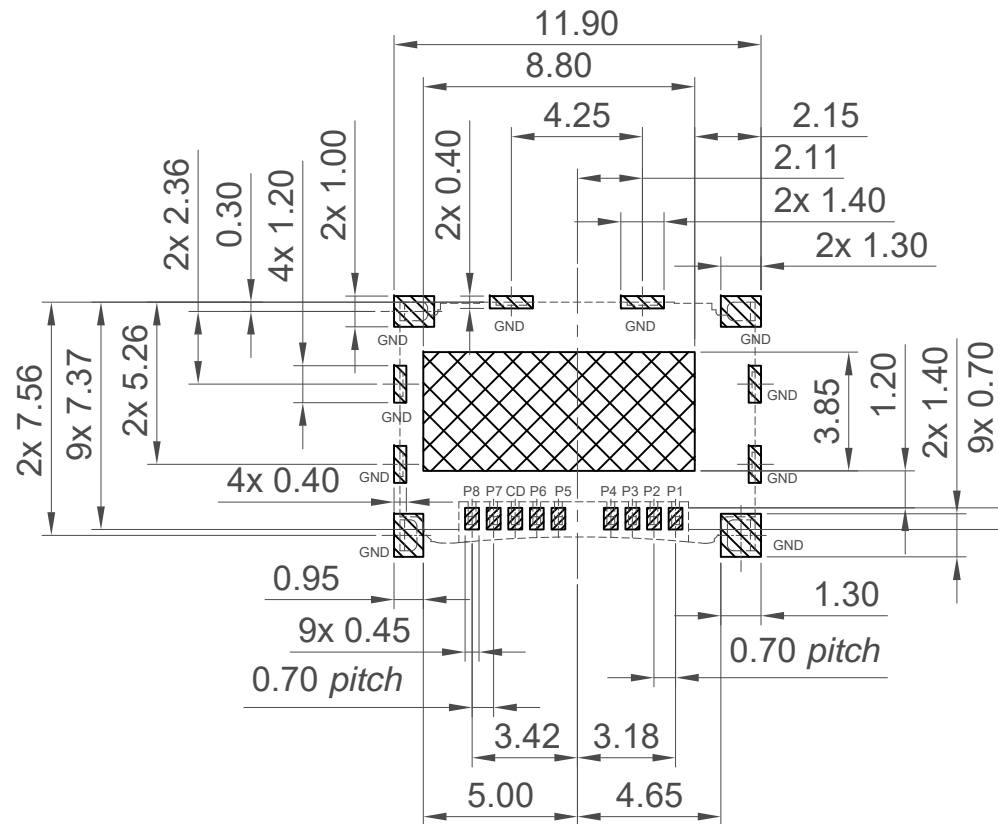
Dielectric Withstand Voltage: 500V AC

## Mechanical & Environmental

Durability: 5000 Cycles

Operating Temperature: -25°C to +85°C

|                   |                 |  |  |   |
|-------------------|-----------------|--|--|---|
| Part Number       |                 | Product Description  |  | <br><a href="http://www.gct.co">www.gct.co</a>                                   |
| MEM2085           |                 | Micro SD Memory Card Connector<br>Push-Pull, SMT, 1.15mm Profile |  |   |
| Drawing Date      |                 |  |  |   |
| 18th October 2022 |                 |  |  |   |
| By                | CC              | Tolerances (Except as Noted)                                     | Units:   | This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT).<br>This drawing must not be copied or disclosed without written consent. E & OE |
| Detail            | Drawing Release | Length   | Metric (mm)  |   |
| Revision          | 0.2             | X.X ±0.35<br>X.XX ±0.20<br>X.XXX ±0.10                           | <br>3rd Angle Projection                      |   |
| Date              | 08/11/22        | ±2°  | <br>RoHS COMPLIANT<br>2011/65/EU<br>Deca-SIDE |   |
|                   |                 |  |   |   |
|                   |                 |  |  | Not to Scale<br>Drawn By CC<br>Sheet No. 1/3  |




### Recommended PCB Layout

As viewed from component side General Tolerance:  $\pm 0.05$

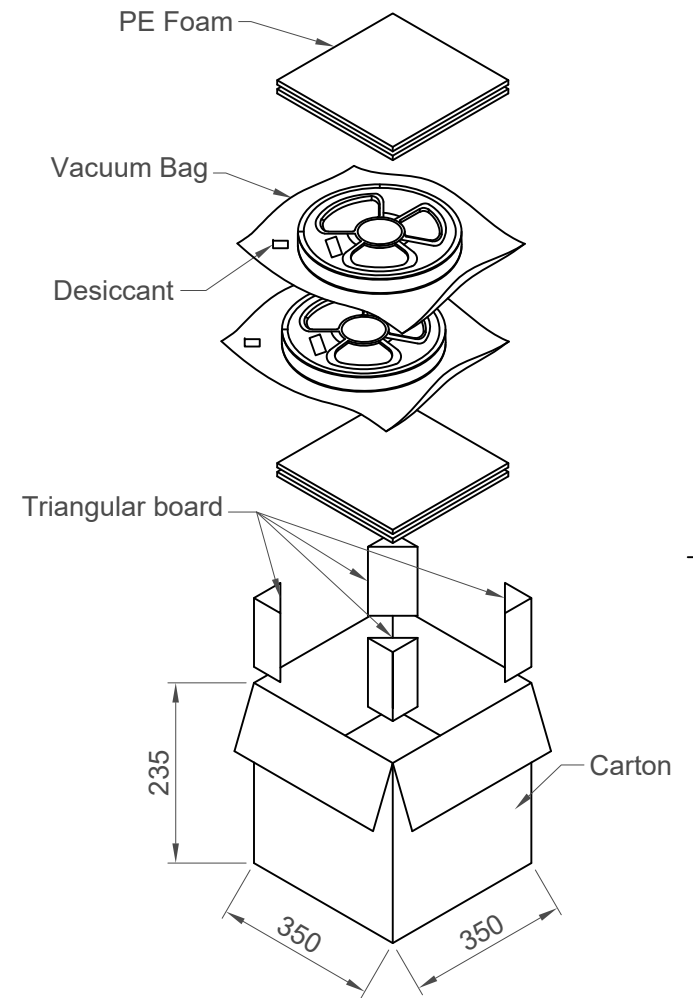
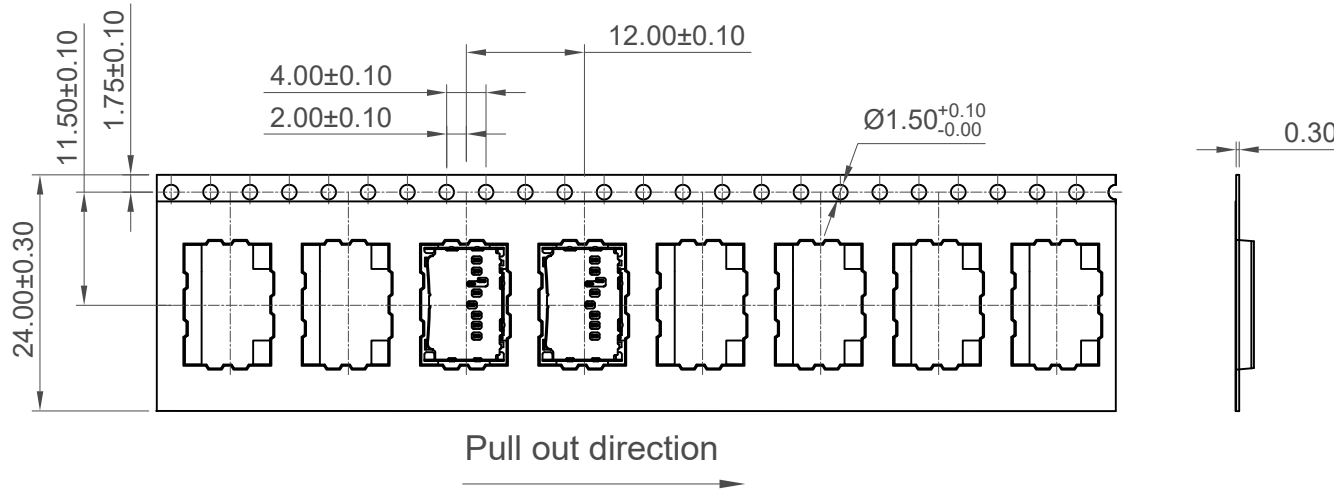
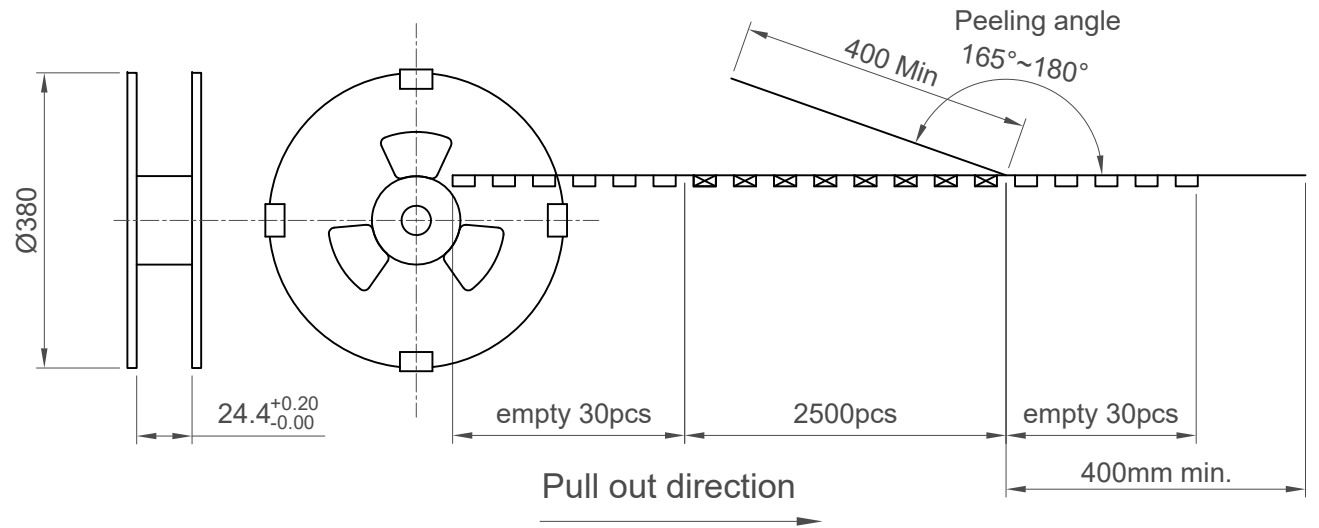
 Solder Area 
  Keep Out Area 
  Component Outline

### Pin Assignment

| Pin | Name            | Description            |
|-----|-----------------|------------------------|
| P1  | DAT2            | Data Bit 2             |
| P2  | CD/DAT3         | Card Detect/Data Bit 3 |
| P3  | CMD             | Command Line           |
| P4  | V <sub>DD</sub> | Supply Voltage         |
| P5  | CLK             | Clock                  |
| P6  | V <sub>SS</sub> | Ground                 |
| CD  | CD              | Card Detect            |
| P7  | DAT0            | Data Bit 0             |
| P8  | DAT1            | Data Bit 1             |

|                                   |                |   |   |
|-----------------------------------|----------------|---|---|
| Part Number<br>MEM2085            |                | Product Description<br>Micro SD Memory Card Connector<br>Push-Pull, SMT, 1.15mm Profile |   |
| Drawing Date<br>18th October 2022 |                |   |   |
| By<br>CC                          | CC             | Tolerances (Except as Noted)<br>Length<br>Angle   | Units:<br>Metric (mm)   |
| Detail<br>Drawing Release         | 0.2            | X.X $\pm 0.35$<br>X.XX $\pm 0.20$<br>X.XXX $\pm 0.10$                                   | $\pm 2^\circ$   |
| Revision<br>Date                  | 08/11/22       |   |   |
|                                   |                |    | This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT).<br>This drawing must not be copied or disclosed without written consent. E & OE |
| Not to Scale                      | Drawn By<br>CC | Sheet No.<br>2/3  |   |

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| Pcs/Reel | Reels/Carton | Pcs/Carton |
|----------|--------------|------------|
| 2500     | 6            | 15000      |

|                   |                 |  |             |
|-------------------|-----------------|--|-------------|
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| By                | CC              | Tolerances (Except as Noted)   | Units:      |
| Detail            | Drawing Release | Length   | Metric (mm) |
| Revision          | 0.2             | Angle  |             |
| Date              | 08/11/22        |  |             |
|                   |                 | <div> </div>   |             |
|                   |                 | <div>  This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E &amp; OE </div> |             |
|                   |                 | Not to Scale   | Drawn By CC |
|                   |                 | Sheet No. 3/3  |             |

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